

Datasheet No. A-061.006
(Family.Genus)

DBT- Network Programme

1. Genus: *Anoectochilus* Blume

2. Systematic Position:

APG IV

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Orchidoideae
- Tribe: Cranichideae
- Subtribe: Goodyerinae
- Genus: *Anoectochilus* Blume

Bentham and Hooker

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Neottieae
Genus: *Anoectochilus* Blume

3. Species:

Global: 46

India: 7

4. Taxonomic riddles:

5. Distribution:

Global: Bangladesh, Borneo, China South-Central, China Southeast, East Himalaya, Fiji, Hainan, Hawaii, India, Jawa, Laos, Malaya, Maluku, Myanmar, Nansei-shoto, Nepal, New Caledonia, New Guinea, Nicobar Is., Queensland, Samoa, Santa Cruz Is., Solomon Is., Sri Lanka, Sulawesi, Sumatera, Taiwan, Thailand, Tibet, Vanuatu, Vietnam, West Himalaya

India: East Himalayas

6. Habit and Habitat: Terrestrial herbs

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=15^{3,4,6,7,8,9}$, 19^8 , $20^{1,2,6,8,10}$

10. Zygotic chromosome number(s): $2n=30^{3,4,9}$, $40^{1,6,8,10}$

11. Gametic chromosome number(s): $n=15^{3,4,6,7,8}$, 19^8 , $20^{1,2}$

**12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/
Neocentric chromosomes):**

13. Ploidy levelDiploid^{1, 2, 3, 4, 6, 7, 8, 9, 10}

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms: 2, 5

Meiosis: 2, 4, 5, 7, 8

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: